ENT BOOK

imensions			Contents	Reference to last Measurement
h	Breadth 5	Depth 6	7	8

first & final

BR-363/29-7-16

M. A. R. 57 (Rule 116)

Measurement Book

No. B

Serial No. .....

Name of Work Improvement to cc roads & drains near Kalpataru apartments & trinidhi badavane opp to tatagiri Kodigehalli cross in ward no. 8 From ..... To 262918

Name of Contractor of nature of Agency Sanjay Reddy. H.J, Sanjalee

Date of commencement of work 20-06-2016

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	4	6	7	8
	Estimate cost: Rs. 20.00 lakhs Job code: 008-16-000010 P code: P3089 AS No. AS/CE(YNK)/08/15-16 dtd 19.08.2015 TS No. TS/CE(YNK)/07/15-16 dtd 19.08.2015 WO No. BBMP/EE/ATP/WO/333/2016-17 dtd. 24-03-2016.						
	Measurements Recorded On: 28-07-2016.						
1)	Earthwork excavation by manual means in ordinary soil, excavated material leveled & sides neatly dressed, disposed earth to be leveled as directed by site Engr as per item No. (1) of page: 26 29 (1)	-	-	-	-	1240.82 cum	
				Limited to		1225.84 cum	
				@ Rs. 75.60/-		= Rs	92674.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
2)	Providing cutting stone slabs of selected quality supply dressed & fixed in CM 1:6 including fixing cutting & complete complete qty vide Item no (2) of	No 262972	- - -	- - -	- - -	723.52 Sqm	
			limited to			704.20 Sqm	
			@ Rs. 704.16/-			- - - Rs	497278/-
3)	Providing & laying in position with RCC of CM 1:4:8 with 40mm HHD Hammer @ 480 kg Metal CA @ 0.85 cum, FA @ 0.37 cum Machine mixed batch in layers cost of all materials complete as directed.						
	qty vide Item no (3) of page	262972	- - -	- - -	- - -	2.57	cum
			limited to			2.31	cum
		@ Rs. 4847.04/-				- - - Rs	11197.00

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	N
1	2	
4)	Providing & constructing superstructure with CM dressed not less than materials as directed. qty vide Item no (4) of pa	
5)	Providing reaked joining with CM 1:4, 20mm dee qty vide item no (5) of	

BOOK

s		Contents	Reference to last Measurement
dth	Depth 6	7	8
	supply fixing		
		723.52 SQM	
	cd to	704.20 SQM	
	.16/-	Rs	497278/-
	1:4:8 & dls		
	Machine		
	ed reads		
		2.57 CUM	
	ted to	2.31 CUM	
	04/-	Rs	11197.00 =

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To..... 262919

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	4) providing & constructing granite stone masonry in superstructure with cm 1:6, edges of stone chisel dressed not less than 15cm thick all materials as directed.						
	qty vide item no (4) of page 262972			Limited to		7.72 / 7.56 cum	
			@ Rs. 4743-60/-			= Rs.	36088.00 =
	5) providing raked pointing to coursed stone masonry with CM 1:4, 20mm deep as directed.						
	qty vide item no (5) of page 262972			Limited to		12.87 / 12.60 SQM	
			@ Rs. 92.88/-			= Rs	1170.00 =

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
6)	providing & laying in position PCC 1:2:4 mix with cement @ 240 kg with approved sand & CA, CA @ cum, FA @ cum machine mixed laying cost & all materials etc complete, qty vide item No (6) & page		26297.3			2.14 / 2.10 cum cum	
				Limited to			
			@ Rs. 5327.64/-			= Rs	11188.00
7)	providing & laying in position RCC 1:1½:3 mix with OPC @ 320 kg with approved sand & CA @ cum, FA @ cum machine mixed laid in layers as directed etc complete						
	deck slab & cutwet opp wall on side AA	1	7.15	1.60	0.25	2.86 / 2.83	
				Limited to			
			@ Rs. 6065.28/-			= Rs	17165.00

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
8)	providing TMT steel including straightening in position laying tying necessary labour etc complete qty vide Abs No. (8) &
9)	providing & removing shuttering etc complete qty vide Abs No (9) &

BOOK

ns		Contents	Reference to last Measurement
eadth 5	Depth 6	7	8
ix 1:2:4 e RR's, e mixed omplete,			
. . .		2.14	
Limited to		2.10	cum cum
27.64/-		. . . = Rs	11188.00 =
work com ct @ aid in			
6 = 0.25		2.86	
ited to		2.83	
65.28/-		. . . = Rs	17165.00

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To..... 262920

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
8)	providing TMT steel including straightening & positional lapping Typ reinforcement labour etc complete as directed. as per side Acs No. (8)	reinforcement for RCC work cutting bending hooking placing with binding wire Cost of all					
		page 26	2973	. . .	. . .	0.27	Tonne
					Limited to	0.20	
			@ Rs.	69805.80/-		. . . = Rs.	13961.00 =
9)	providing & removing centering shuttering shoring complete as directed. as per side Acs No (9)	page 26	2973	. . .	. . .	10.25	SQM
		@	Rs. 292.68/-		. . .	. . = Rs	3000.00 =

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
10)	Providing laying spreading & compacting graded stone aggregate to wet MDD including carriage mixed material, laying, compacting with roller to achieve desired density as directed etc complete. Qty vide item No (10) of page 28 29 74 - - - - Limited to @ Rs. 1438.56/- - - - - = Rs.					226.95 ~~207.94~~ 226.25	Cum Cum 325674.00 =
11)	cleaning the existing WBM road surface including removing binding materials & other foreign matter as directed. Qty vide item No (11) of page 28 29 74 - - - Limited to @ Rs. 12.20/- - -					907.94 905.00	Sqm Sqm 11044.00 =

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
12)	Providing & applying pri Medium porosity like @ 1.10 kg/sqm over Qty vide Item No. (12)
13)	cleaning the existing broom, soft brushes Qty vide item No. (13)

T BOOK

sions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
graded stone up providing, superstrip sting as			
- - -		226.95 ~~907.94~~	Sqm @
ited to		226.25	Sqm
38.56/- - - -		- - - = Rs.	32574.00 =
d surface ials & other			
- -		907.94	Sqm.
imited to		905.00	Sqm
0/-		- - - = Rs.	11044.00 =

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To..... 262921

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
12)	Providing & applying primer coat for surfaces of Medium porosity like cement concrete ~~stabilized soil~~ base @ 1.10 kg/Sqm over prepared surface as complete as per item No. (12) page 262975	- - - -				907.94 Limited to 905.00 @ Rs. 68.25/- - - -	Sqm Sqm - = Rs. 61766.00 =
13)	Clearing the existing black topped surfaces with brooms, soft brushes & finally dusting as directed as per item No. (13) page 262976	- - - -				1934.00 @ Rs. 3.02/-	Sqm. - = Rs. 5841.00 =

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	14) Providing & applying tack coat using SS/1 no grade bitumen on prepared black topped surface @ 2.5 kg per 10 sqm or directed. Qty vide item no. (14) of page 262976	-	-	-	-	19340	Sqm
		@ Rs. 15.12/-	-	-	-	= Rs	29242.00 =
	15) Providing & laying semi dense bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder & filler, transporting hot mix, laying, rolling to active desired compaction cost of all materials etc complete as directed. Depression at Kiriburu Road opp Union Bank ATM	1	288.0	1.50	0.025	12.24	cum
	Road opp to road	1	150	1.0	0.025	3.75	"

M. A
Me

Serial No. .....
Name of Work ..... From
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
	Road opposite union bank ATM	1 X 15.0
		1 X 15.0
		1 X 15.0
		1 X 15.0
		1 X 15.0
		1 X 15.0
		1 X 15.0
		1 X 15.0
		1 X 20.0
		1 X 7.0

16. 29/7
Exe. Engr.
Btp. Dn.

BOOK

ons		Contents	Reference to last Measurement
eadth 5	Depth 6	7	8
sq/cm topped ed.			
- - -	- - -	19340	Sh4
12/-	- - -	- - -	29242.00 =
oes ed 2e up d			
75 x 0.025		12.24	cum
0.025		3.75	"

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To..... 262922

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Road opposite union bank ATM	1	15.0	$\frac{8+5.1}{2}$	0.025	2.45	cum
		1	15.0	$\frac{5.1+5.0}{2}$	0.025	1.89	"
		1	15.0	$\frac{5.0+5.2}{2}$	0.025	1.91	"
		1	15.0	$\frac{5.2+5.4}{2}$	0.025	1.98	"
		1	15.0	$\frac{5.4+5.3}{2}$	0.025	2.00	"
		1	15.0	$\frac{5.3+5.1}{2}$	0.025	1.95	"
		1	15.0	$\frac{5.1+5.0}{2}$	0.025	1.89	"
		1	15.0	$\frac{5.0+5.1}{2}$	0.025	1.89	"
		1	20.0	$\frac{5.1+6.2}{2}$	0.025	2.82	"
		1	7.0	$\frac{6.2+5.8}{2}$	0.025	1.05	"

Exe. Engr. Btp. Dn. 29/7

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	15.0		0.025	2.10	Cum
		1	15.0		0.025	2.13	"
		1	15.0		0.025	2.11	"
		1	15.0		0.025	2.02	"
		1	15.0		0.025	2.06	"
		1	15.0		0.025	2.08	"
		1	15.0		0.025	2.15	"
		1	15.0		0.025	2.06	"
		1	15.0		0.025	1.91	"
		1	6.5		0.025	0.90	"
		1	15.0		0.025	2.26	"

Checked.
16. 29/7.
Exe. Engr.
Bip. Dn.

Cross road

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Num
1	2	

NT BOOK

ensions			Contents	Reference to last Measurement
	Breadth 5	Depth 6	7	8
(6.8+5.4)/2		x 0.025	2.10	Cum
(5.4+5.0)/2		x 0.025	2.13	"
(5.0+4.7)/2		x 0.025	2.11	"
(4.7+4.7)/2		x 0.025	2.02	"
(4.7+5.0)/2		x 0.025	2.06	"
(5.0+5.0)/2		x 0.025	2.08	"
(5+4.8)/2		x 0.025	2.15	"
(4.8+4.7)/2		x 0.025	2.06	"
3.0	4.00	x 0.025	1.91	"
(6.0+6.0)/2		x 0.025	0.90	"
(6.0+6.0)/2		x 0.025	2.26	"

M. A. R. 57 (Rule 116)
Measurement Book

No. B

262923

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

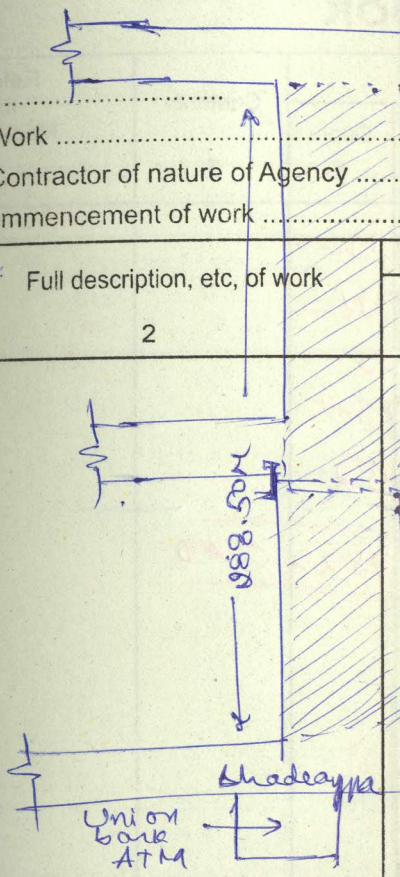
Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
		1	15.0	(6.2+5.4)/2	0.025	2.17	Cum
		1	15.0	(5.4+5.0)/2	0.025	1.95	"
		1	15.0	(5.0+4.7)/2	0.025	1.81	"
		1	15.0	(4.7+4.7)/2	0.025	1.76	"
		1	15.0	(4.7+5.0)/2	0.025	1.81	"
		1	15.0	(5.0+5.0)/2	0.025	1.87	"
		1	15.0	(5+4.8)/2	0.025	1.83	"
		1	16.50	(4.8+4.7)/2	0.025	2.15	"
		16	3.0	4.00	0.025	4.80	"

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	CF	52	2.0	3.0	0.025	3.30 cum	
	Mohan 28/7/16	19	2.90	3.0	0.025	3.56 "	
					Total	86.90 cum	
			Limited to			86.87 cum	
			@ Rs. 5702.60/-			= Rs	154863/-
16)	Load charges for disposal of debris as directed vide item No. (16) page	262971				478.02 cum	
			Limited to			1164.54	
			@ Rs. 87.00			Rs.	101315.00
	Total	Bill	Amount			= Rs	19,74,398.00
							19,73,244=00
	Certificate the work is completed satisfactorily as per measurement issued to the work.						
	28/7/16.						Mohan 28/7/16

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2



K

epth 6	Contents 7	Reference to last Measurement 8
0.15	3.30 cum	
0.15	3.56 "	
	86.90 cum	
	86.87 cum	
	= As	ISH 863/—
	1178.02 cum	
	1164.54	
	Rs. 101315.00	
t	= RA	19,76,298.00
		19,73,244=00

Dr. Anitha House

M. A. R. 57 (Rule 116)

Measurement Book

No. B

262924

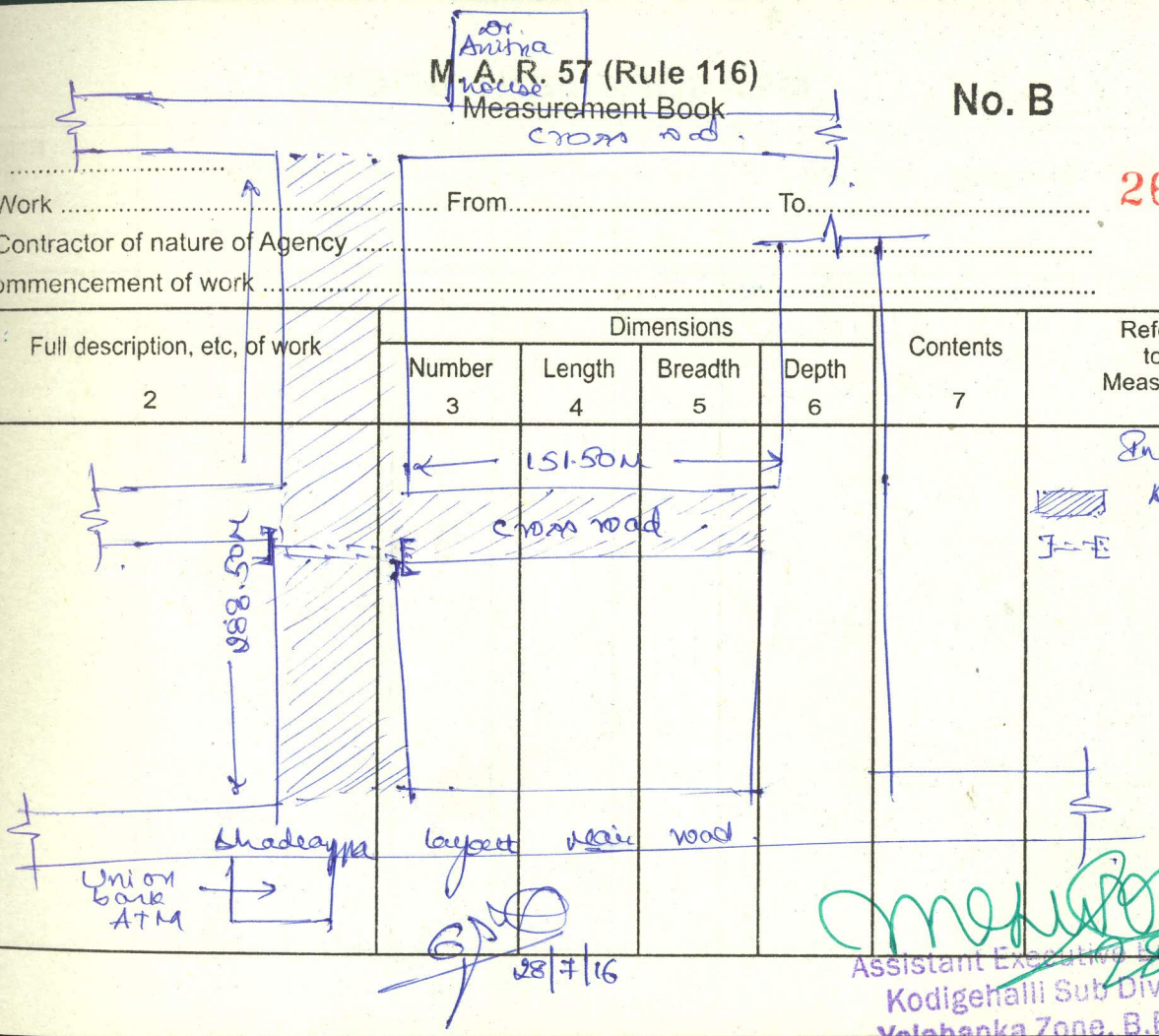
Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
			151.50M				Index Road. I-E culvert.



28/7/16

28/7/16

Assistant Executive Engr.
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	